

The SSDF chess engine rating list, 2018-10

Article

Accepted Version

Sandin, L. and Haworth, G. (2019) The SSDF chess engine rating list, 2018-10. ICGA Journal, 40 (4). p. 374. ISSN 1389-6911 doi: <https://doi.org/10.3233/ICG-190085> Available at <https://centaur.reading.ac.uk/80283/>

It is advisable to refer to the publisher's version if you intend to cite from the work. See [Guidance on citing](#).

To link to this article DOI: <http://dx.doi.org/10.3233/ICG-190085>

Publisher: The International Computer Games Association

All outputs in CentAUR are protected by Intellectual Property Rights law, including copyright law. Copyright and IPR is retained by the creators or other copyright holders. Terms and conditions for use of this material are defined in the [End User Agreement](#).

www.reading.ac.uk/centaur

CentAUR

Central Archive at the University of Reading

Reading's research outputs online

The SSDF Chess Engine Rating List 2018-10

Lars Sandin and Guy Haworth

Chairman, Svenska schackdatorföreningen, Reading, England

#	Name	Rating + / -	Games	Win %	Against	Notes
01	Stockfish 9 x64 1800X 3.6 GHz	3502 38 / 35	482	76%	3302	NE; A, Tord Romstad, Marco Costalba and Joona Kiiski
02	Stockfish 8 x64 1800X 3.6 GHz	3430 30 / 27	860	79%	3203	1800X is the fastest current SSDF hardware
03	Stockfish 8 x64 Q6600 2.4 GHz	3416 47 / 43	280	70%	3269	NE; 13½-26½ v #01, 27½-12½ v #06, 28½-11½ v #07
04	Komodo 11.01 x64 1800X 3.6 GHz	3395 26 / 24	974	75%	3208	A, Mark Lefler and GM Larry Kaufman; 19-21 v #02
05	Deep Shredder 13 x64 1800X 3.6 GHz	3367 30 / 28	640	68%	3238	A, Stefan Meyer-Kahlen; ICGA WCCC #6; 16½-23½ v #04
06	Booot 6.3.1 x64 1800X 3.6 GHz	3347 40 / 38	320	60%	3273	NE; A, Alex Morozov; ICGA WCSC 2018 #2; 19½-20½ v #09
07	Komodo 9.1 x64 Q6600 2.4 GHz	3342 21 / 20	1395	73%	3167	ELO ↓10; 19-21 v #05, 21-19 v #06, 21-19 v #09
08	Komodo 11.01 x64 Q6600 2.4 GHz	3340 35 / 34	402	60%	3269	ELO ↑7; 20½-19½ v #05, 26-14 v #13, 26½-13½ v #17
09	Stockfish 6 x64 Q6600 2.4 GHz	3330 22 / 21	1176	69%	3190	19-21 v #07, 23-17 v #10, 21½-18½ v #11
10	Deep Shredder 13 x64 Q6600 2.4 GHz	3296 24 / 23	884	64%	3193	17-23 v #09, 18½-21½ v #11, 22-20 v #12
11	Komodo 7 x64 Q6600 2.4 GHz	3269 24 / 23	934	65%	3159	14-30 v #07, 22½-17½ v #12, 24-18 v #17
12	Komodo 5.1 x64 Q6600 2.4 GHz	3246 22 / 22	1038	64%	3145	11½-28½ v #09, 20-22 v #10, 21½-18½ v #14
13	Deep Hiarcs 14 1800X 3.6 GHz	3211 30 / 31	520	41%	3270	A, Mark Uniacke; 15-25 v #05, 9½-30½ v #09
14	Stockfish 3 x64 Q6600 2.4 GHz	3202 19 / 19	1380	61%	3125	13-35 v #09, 13½-26½ v #10, 14-26 v #11
15	Deep Rybka 4 x64 Q6600 2.4 GHz	3201 21 / 20	1288	67%	3080	A, IM Vasil Rajlich; 19-21 v #18, 30-10 v #25, 31-17 v #26
16	Deep Rybka 3 x64 Q6600 2.4 GHz	3194 22 / 21	1371	75%	3002	15½-24½ v #12, 21-19 v #14, 18-22 v #15
17	Deep Hiarcs 14 Q6600 2.4 GHz	3188 19 / 18	1450	61%	3113	19½-22½ v #16, 26-14 v #31, 29½-10½ v #32
18	Chiron 3.01 x64 Q6600 2.4 GHz	3182 27 / 28	616	45%	3217	A, Ubaldo Andrea Farina; 22-18 v #17, 23-17 v #19
19	Wasp 2.01 x64 1800X 3.6 GHz	3161 28 / 29	646	35%	3270	A, John Stanback; 19-21 v #17, 23½-16½ v #24
20	Naum 4.2 x64 Q6600 2.4 GHz	3146 21 / 21	1123	60%	3078	A, Alexander Naumov; 16-24 v #15, 19½-20½ v #16
21	Deep Junior Yokohama x64 Q6600 2.4 GHz	3125 22 / 23	930	43%	3170	A, Amir Ban & Shay Bushinsky; 16½-25½ v #20
22	Naum 4 x64 Q6600 2.4 GHz	3120 19 / 18	1436	61%	3039	14-26 v #16, 19-21 v #21, 23-21 v #25, 25-15 v #26
23	Deep Junior 13.3 x64 Q6600 2.4 GHz	3117 19 / 19	1290	50%	3119	21-21 v #17, 36½-55½ v #20, 20½-19½ v #25, 23½-18½ v #26
24	The Baron 3.43 x64 1800X 3.6 GHz	3115 39 / 42	320	35%	3222	NE; A, Richard Pijl; ICGA WCCC 2018 #8; 19-21 v #25
25	Spike 1.4 Q6600 2.4 GHz	3109 16 / 16	1911	53%	3090	A, Ralf Schäfer & Volker Böhm; ELO ↑4; 10-30 v #15
26	Deep Shredder 12 x64 Q6600 2.4 GHz	3104 18 / 18	1507	62%	3016	17-31 v #15, 18½-23½ v #23, 24½-17½ v #25, 29-11 v #35
27	Hiarcs 14 Athlon 1.2 GHz	3100 33 / 31	480	62%	3018	ELO ↓5; 17-23 v #14, 19½-20½ v #29, 22½-17½ v #33
28	Hiarcs 13.1 Q6600 2.4 GHz	3099 24 / 23	868	56%	3055	20-22 v #23, 17½-24½ v #25, 17½-22½ v #26
29	Deep Hiarcs 13.2 Q6600 2.4 GHz	3098 23 / 23	872	55%	3061	19½-20½ v #23, 21-27 v #26, 20-20 v #30,
30	Deep Fritz 13 Q6600 2.4 GHz	3097 24 / 24	826	55%	3064	A, Frans Morsch; 18½-25½ v #20, 25½-16½ v #22, 17-23 v #23
31	Wasp 2.01 x64 Q6600 2.4 GHz	3062 42 / 50	362	19%	3312	A, John Stanback; 9½-30½ v #13, 14-26 v #17
32	Crafty 25 x64 Q6600 2.4 GHz	3028 25 / 26	804	35%	3135	A, Robert Hyatt; 10½-29½ v #17, 12½-27½ v #18
33	The Baron 3.43 x64 Q6600 2.4 GHz	3026 34 / 34	400	50%	3022	5½-34½ v #10, 17½-22½ v #27
34	Arasan 17.2 x64 Q6600 2.4 GHz	3000 26 / 26	686	46%	3029	A, Jon Dart; 11½-28½ v #25, 16-24 v #27, 15-25 v #30
35	Naum 4 Athlon 1.2 GHz	2996 23 / 24	876	40%	3066	11-29 v #26, 16-24 v #33
36	Fritz 13 Athlon 1.2 GHz	2992 45 / 41	280	65%	2881	12½-27½ v #27, 25-15 v #37
37	Shredder 12 Athlon 1.2 GHz	2982 25 / 27	760	35%	3089	15-25 v #36
38	Wasp 2.01 Athlon 1.2 GHz	2960 32 / 31	480	55%	2924	ELO ↓8; 10½-29½ v #23, 10½-29½ v #25, 17½-22½ v #36
39	Revelation 2 Hiarcs 14.1 PXA320 800 MHz	2923 47 / 46	220	55%	2889	6-14 v #36
40	Chessmaster King 3.5 x64 Q6600 2.4 GHz	2861 24 / 25	932	30%	3010	A, Johan de Koning; 5½-34½ v #25, 7-33 v #28
41	Pro Deo 2.1 YAT Athlon 1.2 GHz	2826 32 / 31	480	57%	2780	A, Ed Schröder; ELO ↑6;
42	Revelation Hiarcs 13.3 PXA255 500 MHz	2772 57 / 52	177	66%	2660	
43	Revelation Shredder 12 PXA255 500 MHz	2703 60 / 58	140	56%	2663	
44	Revelation Rybka 2.2 PXA255 500 MHz	2628 47 / 44	240	62%	2545	
45	Revelation Deep Sjeng 3 PXA255 500 MHz	2599 68 / 76	100	37%	2691	A, Gian-Carlo Pascutto
46	ChessGenius 3 ZTE Apex3 ARM A53 1.3 GHz	2458 75 / 68	100	62%	2375	A, Richard Lang; 12½-7½ v #47
47	Revelation Ruffian 2.1 PXA255 500 MHz	2351 68 / 71	100	45%	2392	A, Per-Ola Valfridsson; ELO ↓6; 14½-5½ v #49
48	TASC R30 v. 2.5 ARM6 30 MHz	2273 42 / 38	343	69%	2136	A, Johan de Koning
49	Millenium ChessGenius Pro M4 120 MHz	2179 72 / 63	120	68%	2051	A, Richard Lang; 5½-14½ v #47
50	Millenium ChessGenius ARM M4 48 MHz	2087 57 / 53	169	62%	2001	A, Richard Lang

Fig. 1. The recently tested ‘Selected 50’ from SSDF rating list ‘2018-10’ of 2018-10-16, q.v., <https://ssdf.bosjo.net>.^{1, 2, 3}

¹ ‘Games’ ≡ the number of games, played at ‘40m/2hr + 20m/1hr’, on which the rating is based. ‘Against’ ≡ the average rating of opponents. The ‘+’ and ‘-’ denote upper/lower 95%-confidence intervals. ‘A’ ≡ author(s), ‘NE’ ≡ new entrant.

² Latest platform: AMD Ryzen 7 1800X, 8-core @ 3.6GHz, 16GB RAM, SSD, 6-man Syzygy EGTs.

³ The full SSDF long list with some match detail is available at <http://centaur.reading.ac.uk/80283/>.